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Liposome prepn. contg. carcinostatic substance - comprises small grain size liposome comprising hydrogenated natural phospholipid, cholesterol and negatively charged lipid

Patent Assignee: TAIHO PHARM CO LTD (TAIH)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 5058879	A	19930309	JP 91247096	A	19910830	A61K-009/127	199315 B

Priority Applications (No Type Date): JP 91247096 A 19910830

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
JP 5058879	A		6			

Abstract (Basic): JP 5058879 A

Prepn. comprises liposome with 100 nm or less mean grain size, consisting of hydrogenated natural phospholipid, cholesterol, and lipid with negative charge.

The hydrogenated natural phospholipid is pres. egg yolk lecithin, or soybean lecithin. The lipid with negative charge is dicetyl phosphate or phosphatidic acid. The carcinostatic substance is fluorodeoxyuridine, cytosin arabinoside, mitomycin C, preomycin, daunorubicin, or doxorubicin. The liposome prepn. is in form of injection, or freeze-dried powder.

USE/ADVANTAGE - For targetting of cancer.

In an example, hydrogenated egg yolk lecithin, cholesterol and dicetyl phosphate (5 : 4 : 1 mol) were dissolved in chloroform (with total lipid of 0.2 mmol), and formed into liposome of lipid. After removal of chloroform, fluorodeoxyuridine (2g)-contg. phosphoric acid buffer (5ml; pH7.4) was added to the liposome , and stirred for 1 hr. with addn. of ultrasonic wave to form liposome suspension contg. SUV liposome with 44.5 +/- 23 nm grain size

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Title Terms: LIPOSOME ; PREPARATION; CONTAIN; CARCINOSTATIC; SUBSTANCE; COMPRISE; GRAIN; SIZE; LIPOSOME ; COMPRISE; HYDROGENATION; NATURAL; PHOSPHOLIPID; CHOLESTEROL; NEGATIVE; CHARGE; LIPID

Derwent Class: B05; B07

International Patent Class (Main): A61K-009/127

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